

**GENERAL NOTES**

- REINFORCED CONCRETE**
1. Soil supporting footings is Sandy clay loam. Footing assumed to be one lbs per sq foot D.L. only. Base of footings to be 20" below D.F.L.
  2. Footings shall extend at least 6" into natural undisturbed soil and deeper where so indicated. 5' from Finish Grade 1/2 Min.
  3. No brick or porous material shall be used to support footing steel off the ground. The ground shall have a minimum ultimate compressive strength of 2000 lbs per sq ft at 28 days.
  4. Anchor bolts and dowels shall be securely held in place before concrete is placed.
  5. Splices in reinforcing steel shall be lap 40 bar diameters minimum except that column dowels may lap 30 bar diameters minimum unless noted. Lap joints shall be staggered 60" or all laps (2x clear) column dowels shall be staggered 36" or all laps other than walls shall be reinforced with #5's. E.W. mesh shall be placed in the center of the slab. Dowel slabs to wall as per typical detail. See Mechanical and/or Architectural Drawings for size and location of pipe, vent, duct and other similar openings.
  6. E.W.M. mesh shall be doubled to support steel bars in walls.
  7. Longitudinal wall footings shall be equivalent to bar splices above and reinforcement.
  8. If not provided for in details, wall footings shall be 12" thick and reinforced as per special details at the top of all walls and in all exterior walls of 12" or below floor lines.
  9. Reinforcing steel shall have the minimum protective concrete covering indicated below:
- |                                |        |
|--------------------------------|--------|
| Reinforcing steel              | 3"     |
| Walls (below grade)            | 1 1/2" |
| Walls (above grade)            | 1 1/2" |
| Beams (2" x 12" and 12" x 12") | 1 1/2" |

**TIMBER**

1. All framing lumber to be grade marked Douglas Fir - see specifications.
2. Members shall be treated Douglas Fir or Foundation Grade Redwood set in 10% minimum grade bed and bolted with #12 bolts in 12" o.c. maximum with bolt within 6" of maximum end of the site shown on the architectural plans.
3. No structural members shall be cut for pipes, etc. unless specifically shown or noted.
4. Unless specifically shown or noted small openings shall be framed with 2x4's. If not specifically shown or noted, splices shall lap of posts, not less than 12" and 12" o.c. maximum with bolt within 6" of maximum end of the site shown on the architectural plans.
5. No structural members shall be cut for pipes, etc. unless specifically shown or noted.
6. Unless specifically shown or noted small openings shall be framed with 2x4's. If not specifically shown or noted, splices shall lap of posts, not less than 12" and 12" o.c. maximum with bolt within 6" of maximum end of the site shown on the architectural plans.
7. No structural members shall be cut for pipes, etc. unless specifically shown or noted.
8. Unless specifically shown or noted small openings shall be framed with 2x4's. If not specifically shown or noted, splices shall lap of posts, not less than 12" and 12" o.c. maximum with bolt within 6" of maximum end of the site shown on the architectural plans.
9. No structural members shall be cut for pipes, etc. unless specifically shown or noted.
10. Unless specifically shown or noted small openings shall be framed with 2x4's. If not specifically shown or noted, splices shall lap of posts, not less than 12" and 12" o.c. maximum with bolt within 6" of maximum end of the site shown on the architectural plans.

**STRUCTURAL STEEL**

1. All shop connections shall be riveted or welded.
2. All field connections shall be bolted (unless otherwise noted).
3. Rivets shall be 3/4" bolts, shall be 3/4" (unless otherwise noted).
4. When stresses are not given or details not shown, design connections for members carrying direct stress to develop the strength of the member.
5. Standard beam connections or connections of equal strength shall provide stick joints and washers or bar nuts between double angle members and 3/4" in tension members.
6. All welding shall be done by the electric shielded arc process.
7. All welding shall be done by the electric shielded arc process.
8. All welding shall be done by the electric shielded arc process.
9. All welding shall be done by the electric shielded arc process.
10. All welding shall be done by the electric shielded arc process.

**BRICK VENEER**

1. Brick shall be Grade M.W. common Clay brick.
2. Mortar mix 1 part cement to 3 parts lime putty to 9 parts sand.
3. Anchor bolts as per typical detail.
4. 2x4 continuous top & bottom of foundation wall where brick veneer starts.
5. 2x4 continuous top & bottom of foundation wall where brick veneer starts.
6. 2x4 continuous top & bottom of foundation wall where brick veneer starts.

APPROVED: 10-24-45  
 BOARD OF EDUCATION  
 TRUXTON AVENUE & A STREET  
 BARKERSFIELD CITY SCHOOL DISTRICT  
 BARKERSFIELD, CALIFORNIA

